

Table 1: November 12, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Updates to Instrument code for EOS processing, upgrades and bug fixes. (Anselmo, Cooper, Escuadra, Hess, Rodier, Spence)• Creating write-up of how to use the Radiance Spreadsheet for verification of the new radiance algorithms. (Filer)• Validating parameters written to the IES and BDS. (Hess, Lee, Rodier, Spence)• Updates to subsystem code to help with analysis of TRMM data after launch. (Anselmo, Cooper, Escuadra, Hess, Rodier, Spence)• Updates to IDL program to allow plotting of multiple parameters vs. time. (Lee)• Writing a BDS comparison program to allow comparisons of BDS for deliveries and analysis purposes. (Lee, Spence)• Attempt to run EOS data through SS1 have failed due to updates in EOS file header format. Need TK 5.2.1 to read these files. Attempts to test with new ToolKit on lightning have failed. Cannot compile Instrument code on lightning? (Cooper)• Tracking down problem with Launch-Ready code at DAAC unable to process 30-day test data. Problem with ToolKit Metadata routines found. (Cooper, Rodier)• Working on EOS Operations Issues. (Hess)	
2.0	Chang	<ul style="list-style-type: none">• Provided Maria ERBE-like Subsystems 2 and 3 permanent input file names for LaTIS. (Chang)• Created 3 ascii input files for the ERBE-like subsystem 2 PC file generators and provided them to Maria. (Chang)• Modified ES8_HDF generator to use actual record number in ES8 file as one of the dimensions instead of 13091. (Chang)• Modified ES8_HDF generator to use 660 as one of the dimensions for CERES measurement level data and 248 for ERBE measurement level data. (Chang)	

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2.0	Chang	<ul style="list-style-type: none">• Generated an ES8_HDF from an ES8 created by the ERBE data reprocessing on warlock for Bruce. (Chang)• Tested more TRMM sim3 pre-ES8 file from Subsystem 1 through Subsystem 2 on lightening. (Chang, Ayers)• Modified the ERBE-like scripts, programs, PC files, PC file generators to use new LaTIS file names. (Chang)• Modified inversion code to read Richard's A's and B's from spectral correction file instead of having them in the data statements. (Chang)• Regenerated all the ERBE spectral correction files to contain A's and B's. (Chang)• Moved current version of ERBE-like subsystems, which do not write metadata files, to samantha and tested them before integrating them with Georgia's plotting software. (Chang)• Installed the plotting software on samantha, wrote a script to integrate the plotting software with the SS2 from Lee-hwa, and did an integrated test starting with a pre-ES8 file and ending with an ES8 plot on the web using one command. (Liu)• Completed the effort to make the ES-8 read/print code available over the Web. (Flug)• Created a Web interface to the ES-8 read/print software. It is now possible to generate a formatted listing of selected records from the ERBE reprocessing ES-8's over the Web. Only one ES-8 is currently available. The remaining ES-8's will be available as soon as a mount is established between the ERBE reprocessing data archive and lposun. (Flug)• Finalizing the adding and testing of metadata routines in ERBElike code. (Chang, Snell)• Provided Jim again on thunder the readHDF code. Discussed HDF options with John and Lynn. (Snell)• Changing file names, making tables in landscape format so that long filenames can fit. (Snell)• Created 12 Composite IIGS files for initial TRMM data processing. Still waiting for notification of the NSIDC data availability. (Kizer)	

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3.0	Chang	<ul style="list-style-type: none"> Combined with above. 	
4.1	Murray	<ul style="list-style-type: none"> Worked with Pat Heck on introducing CorrK fields to the VINT algorithm. (Sun-Mack) Did albedo histograms on start-up map, 1 week later, 2 weeks later, and 26 days later. From the histograms, figured out albedo ranges for update for each type and integrated into production code, delivered. (Sun-Mack) Produced emittance map for each infrared channel. Chan4 is just a reproduction from theoretical calculation with reduced bytes. Chan3 and chan5 were created with dx avhrr data. (Sun-Mack, Chen) Delivered latest version of all VIRS and CloudsHDF libraries to reflect the current understanding of VIRS data. Also delivered a VIRS reader for Science Users. (McIntire) Delivered updated modules to implement exit codes. (McIntire) Delivered a code to write metadata to and read metadata from the cookiedough. (McIntire) Worked on design and coding of MODIS data ingest library. (McIntire) Completed the integration and test of the Metadata routines in the Cloud Production code. Identified a problem with excessive open files in the Toolkit routine PGS_MET_GetConfigByLabel. (Murray, McIntire, Hyer) Completed modifications to the pc generator to use the correct naming convention. (Murray) Completed final tests of newly delivered code by running the entire month and generating a new start-up CRH map. (Murray) Completed Subsystem work for the delivery on Nov. 7 and sent the information to CM. (Murray) 	
4.2	Murray	<ul style="list-style-type: none"> Combined with above. 	
4.3	Murray	<ul style="list-style-type: none"> Combined with above. 	

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4.4	McKinley	<ul style="list-style-type: none">• Delivered Release 2, launch ready, code to CM. (McKinley, Miller)• Updated Delivery Memo and Test Plan for delivery. (McKinley, Miller)• Added versioning information from cookie dough into SSF header by reading metadata. (Miller)• Increased the number of requirements to review in setting the automated quality assurance flag. (Miller)• Continued expanding report capability for binary QC report. (Dunton, Miller)	

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4.5	Nolan	<ul style="list-style-type: none">Completed SW Flux Model B module which uses the Staylor method to calculate the SW downward surface fluxes. Provided Anne Wilber with the input and output from the module for footprints having different scene types. (Nolan)Modified SW Flux Model A module to only calculate SW downward surface flux for clear sky and modified surf_typdef module to include new input parameters for the SW Flux Models A and B changes and additions. (Nolan)Completed code which calculates a three channel consistency check in the spectral correction module. (Nolan)Added a version/date header and three channel consistency check coefficients to the spectral correction coefficient ancillary files. (Nolan)Completed informal delivery of Subsystem 4.5 and 4.6 to samantha at the DAAC for the 30 day test. (Nolan)Created 24 SSF files using the new SSF type definition, Version 112, for TISA and SARB testing. (Nolan)Completed work to update the executable code that creates an HDF file to include the latest SSF and SSF HDF definitions. Initiated work to update the prologue sections. (Franklin)Continued work to create a module for reading and writing the SSF metadata. Initiated testing of the code using a newly created SSF_Int binary file. (Franklin)Submitted documentation for the CERES_metadata Vdata for the Data Products Catalog. (Franklin)Submitted a proposal for a standard on how units should be written to the SDSs for CERES output products. (Franklin)	
4.6	Nolan	<ul style="list-style-type: none">Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">Completed processing 3 days of SSF data. Incorporated new SSF structure. Completed informal delivery of CRS subsystem to the DAAC. Began incorporating metadata.	

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7.2	Coleman	<ul style="list-style-type: none">Combined with above.	
12.0	Coleman	<ul style="list-style-type: none">Contacted DAO with questions regarding parameter definitions and their schedule for producing files with meta data. Still no word on new files.Produced and tested PCF ascii file generator and PCF Generator scripts with real time data from Samantha ingest directories.Added exit codes routines to scripts and software.	
7.1	Jimenez	<ul style="list-style-type: none">Combined with below.	
8.0	Jimenez	<ul style="list-style-type: none">Combined with below.	
10.0	Jimenez	<ul style="list-style-type: none">Continued testing zonal/global averaging routines. (Jimenez)Began testing SS7.1 for 30-day test. Received 180 zonal FSWs files from Nichele and successfully ran through 102 zones. It was determined that the GGEO file was causing the program to bomb. The GGEO file was a very old file, produced on a different grid, and needs to be updated. Joe is working to produce a new GGEO file. (Jimenez)Began testing SS10.0 for 30-day test. Received 180 zonal SFC files from Nichele, and again ran successfully through 102 zones. Will run again with new GGEO file. (Jimenez)Modified tsi_type_mod to handle opening of files starting at any given region number. (Raju)Began testing SS8.0 for 30-day test using simulated data. (Raju)Continued writing read software for the TISA averaging binary and HDF output products. (Raju)	

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6.0	McKoy	<ul style="list-style-type: none">Completed testing Subsystem 6.0 and 9.0 using the data from the 3-day test, and passed the output of this test on to TISA Averaging. Testing was also done using 1-day of the SSF data processed with the new SSF type definition. Several problems / bugs were found and corrected. (McKoy)Updated the TISA Gridding main processor to use the new version of the SSF type definition. (McKoy)Began updating the TISA Gridding processing scripts and implementing the PCF generators. (McKoy)Began modifying the TISA Gridding main processor software to handle the month boundary problem. (Nguyen)Preparing the code to delivery to the DAAC for an informal delivery on November 14, 1997. (McKoy)	
9.0	McKoy	<ul style="list-style-type: none">Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none">Made corrections to McIdas read routines so that bad files are skipped over and do not terminate processing. (Stassi)Completed processing April 1996 data on thunder. (Stassi)Moved modified GGEO code to the /CERES/ggeo directory on samantha so that it can be used for the DAAC Stress Test. (Stassi)	

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CERESlib Stassi/ Fan		<ul style="list-style-type: none">• Created an update script to automatically update all versions of CERESlib on a single machine. The script prompts for options such as whether to make clean before the make, whether to smfcompile, etc. (Stassi)• Removed the PGSDB environment variable from the ceres-env.csh start-up scripts. (Stassi)• Implementing a plan to standardize the location of Toolkit on all SCFs. (Flippo, Stassi)• Moving modified versions of the Toolkit routines PGS_MET_GetConfigData.c and PGS_MET_GetConfigByLabel.c into CERESlib as a temporary workaround to problems discovered in these routines. (Cooper, Rodier, Stassi)• Tested Toolkit5.2.1 for metadata, io, pcf, and msg functions. New changes include: 1) new PCF template, 2) LID for udunit.dat file, 3) value in the 2nd field for LID 10220, 4) different directory for Toolkit's own input data files, 5) more Toolkit message/include files, 6) metadata function to read from the .met file (will be absorbed in meta_util module), and 7) the .met files now go to the same directory as the data files.	
CM	Ayers	<ul style="list-style-type: none">• Delivered CERESlib and a delta delivery for Instrument (Subsystem 1.0) to the DAAC. (Ayers, McKoy)	
IST	Flug	<ul style="list-style-type: none">• Began work on automated procedure that will clean up snap files and reports in flug:~ftp/pub based on the date the files were received.	